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<110> Liew, Choong-Chin

<120> Method for the Detection of Coronary Artery Disease Related Gene Transcripts
in Blood

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<141> 2004-03-12

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<150> US 10/601,518

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<150> US 10/085,783

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<151> 2000-01-04

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<170> PatentIn version 3.2

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<213> Human

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cccacatttc cttttttaat atatactgtg ctttacaat attataatat gttttaaaat 180

atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaa ataagcattc 240

tttgaatata tatttagttt tttaatgtgg taggaaaatc aaagccagag ggagtagaaa 300

caaaatttgt gattttctaa atacttcttg gctgcaggga agaaaccacg tcccaggcga 360

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aaagggggaa ggcccccaa accggggggg gggnaaaaag gtgggtttcc ccctttttcc	180
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caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc 180
aaggggggaa aatttttccg ggggtgggtn gggggaacca atttaagggg ggggcccccg 240
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ctgtacttga actctaaaac tgttgagaa actcagtgtc taccccaaca gattcatttc 180
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ccataaacag cactccctca ggcccctgcc tgacacaggc atagactgtc atgttggatt 360
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tttaggcggc accccaacaa caccaggccc tactttttcc aaggncgggg aagcccatgg 180
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tg 242

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 ttgccgggga gtcagcagtc gctttttccc ggnccaagcc tcgaactcac cancctgtct 360
 ggattaatta gacagcaaga cgcttgcggc ccctttggcg cgaacgaacn ncgaaaagga 420
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 gagaaccccg cacaccgaaa ggctaaggat tcctccgcta tgtcaatcaa cggaggggta 180
 gtcgggtact aaggcgtag cgaaggcgaa ggcgcgatgt gaaggggggtt aatattcctc 240
 cacttgccat gcgtgtgaat ccatgacgga gacgaagccg ggggtgcgtc ctgacggaag 300
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aagaaggaac ccaccctngg ggccaaacaa aaacttaaaa acccccccat ttctncccc	180
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 Page 29

cantcantng ttgcctnttg atacccnana caaaattgaa

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cacgcacggc agcgagtgc atgnccgatt cattcttnaa cgacgcacac acccngnngc 120

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<211> 151

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tgtcctgaag gacaagccgn ttcgtttgaa nctgtgaaat ac 102

<210> 41
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<400> 41
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gggtgctcctg cgtttgact gtgcaggcct ctctatgct gatgcgtctc cccactcctg 180
agctaatttc tgctctgctc cttctgtgac atgtggcagc gtgggaaata gccactgtcc 240
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gggaggaccc tgntgactcg gggggcgagg gcngggancc agg 103

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tttaaaaatt tatgcatat gtccagcttc cagtcagtgc ttctgggttag catgaggata 120

actagatttt actgtagatg gtagataaaa gtccagtga aagcaaagat gtgtaatggt 180

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atnggacnag nanacangaa acctgcanac ttggngcctt ggaagt 106

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cgaacatttc acngcatat tgcggtgcaa gggcttactg 100

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 ggggaccna aaaaccggaa naaacnccc nagnaancca 100

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ctcagactgc aaantgtnat nctgncnnan nntgngact gtcngncng atttnnngcn	120
tgnaatacta ttgcctctta tatacacnac caannntgcg aagggcnann nnacctttnc	180
cantnnnctg gggncccacn nnnngngaact gagagtggat cttgtgtacc tgacnnacca	240

SEQLIST~1.TXT

gntntnnagn agggcgctca ctctgattgg tgcaccatgg ttacacagtg tgtgcaaaga	300
ccngnctatc tctactganga tgattgncag ngccnntggg tggcacnang ggnactgatg	360
ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat	420
aggttaccnc cttcnaccgg gcancaatct gcttctatgg tgaatgcaga ccatntagaa	480
ntctntcnct ataggcatga ttttnnncag tgcgtcagcc ttganaanga ancnnacttt	540
tgntagatga nnnngtgctc ncccttgngg ctnacaaatt ccancaccnt tgggtggcngc	600
agccnttaag ancacttntt ttgggttgcg ctnttgatg aattacnaat agnntgtttt	660
gttncaaggc ccttctgcna aatatgaana aaagngcnct tagctttttg ngggaactgn	720
actggaaatt ttg	733

<210> 53
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 <213> Human

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 <223> n is a, c, g, or t

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SEQLIST~1.TXT

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<223> n is a, c, g, or t

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caagtacgcn agcncctgaan ctaaagcaag caagaaaaag 100

<210> 54
<211> 515
<212> DNA
<213> Human

<400> 54
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agagccaagc taaacccccg ataccgacga gtaccagaac aggtaagcac cccgtctatg 120
tagatatggg aagattatag gaggcgacaa ctaccgagcc tggatgatagc tgggtgtccaa 180
gaagagtctt agttcattta tttggcccag aaccctctaa tccccttgta atttatgtca 240
agaggaacag ctctttggac actggaaaac cgtgagagag taagatttac acccttaggg 300
gcctaatagc agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa 360
tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt 420
ataagtaacc tgaaaacatt ctctctgca taagccctgc gttggattat atcctgcact 480
gacaattaac tgccccaata tctacaatcc aaccc 515

<210> 55
<211> 176
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<213> Human

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (40)..(40)

<223> n is a, c, g, or t

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<221> misc_feature

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<223> n is a, c, g, or t

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<221> misc_feature

<222> (62)..(62)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (76)..(76)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (107)..(107)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (155)..(155)

<223> n is a, c, g, or t

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cntatctcaa ctaatnataa atgggaaaat gggcaactgg gcaggcngaa cccagaggga 120

agcctgcctt cattagacca agacagcaag gtttnccctg gtcactagat gaaatt 176

<210> 56

<211> 317

<212> DNA

<213> Human

<220>

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<223> n is a, c, g, or t

<400> 56

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atgtgggatg tgacctccta ggactcacct tgcacagctg ggtgcagcag ggataggtaa 120

ggatttgggg tttagaggta caattgcctt tttatggtta gagaaaggtc ctggggctgg 180

agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct 240

gcttaaaggg ctgtgtcagt tctattgtaa acaccaactt aaagtgggtg atgctggcag 300

acattgttat tgccatt 317

<210> 57

<211> 209

<212> DNA

SEQLST~1.TXT

<213> Human

<400> 57

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ctggactgga	cactgtatac	ccacatgcaa	gatgaagttg	gccccttaca	tcctatacgc	120
aggagaattg	cgtcatttaa	agcctgttga	cgcttttctc	ccgcagacga	atggaaagat	180
taattgggag	tgggggctga	aacaattcg				209

<210> 58

<211> 262

<212> DNA

<213> Human

<400> 58

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acctggtcac	cgagttgcga	accagcctcc	aatatgtgga	accctgtact	ctctaaaaat	120
caaatcaccg	gcatggagat	tgcgcctgtg	gtcccaaaaat	actcgggctg	ggacacgatg	180
agttgcttgg	cccaaggaag	gagggttgta	tggctgatca	cactggtccg	cctgggtgac	240
agagcgagac	tccatctcta	at				262

<210> 59

<211> 430

<212> DNA

<213> Human

<400> 59

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aaacctttat	tgtcttacag	gggggaacta	gcgcggggct	gaataaaacc	tttggccctt	120
cccgggggag	gggtatccg	tttataaacc	ccaagggtat	tttcttagca	aaatacttaa	180
aaaccggccg	ggtttttata	caaactggga	accactttt	gaaaaatttt	ggccttttga	240
tctgggatgg	gaatatgagt	ttttatacat	ttcattttct	ttttgggcaa	aggcccgggt	300
aagtattccc	ccccgggggg	cctttacaaa	aagggcgggt	ttaaaagctt	ttgggcccc	360
ctaggggaatt	gttttaacac	ctaaaaaccc	ctgcttcct	taaagggg	cg	420
tgggggcggc						430

<210> 60

<211> 350

<212> DNA

<213> Human

<400> 60

aaacctctct	aactatatat	cacaataacc	tgcgcataag	atttacgctc	cgatcttttc	60
atcctactag	cttgaggat	ttgaaccgat	tatgaatacg	caatactccc	ggtcctcatg	120
tatcatgtgt	aagcccatct	cctgggaggg	ctaacatact	accatctcca	aggagaggca	180

SEQLIST~1.TXT

tgattccgaa	tcacccacag	acagctcgat	caccatacgt	atcacccaac	atatatacct	240
tctaagactt	gctagaaaca	accaccacat	ttgatgctta	atcaccactc	tgacgcgcat	300
taaagtgagg	ggactctcct	aattttctgta	agttgatttt	tgatttctga		350

<210> 61
 <211> 515
 <212> DNA
 <213> Human

<400> 61						
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cactttcttt	gagaattcaa	catattgcaa	gttaaaat	tcatagacta	cacaagaaag	120
aataatcagg	caaatcctta	agaataagg	caattaagga	tgactagccc	tacaagattt	180
taaaaaggat	tcattagttt	aaaaaatgtg	atgtagatac	atgaataaaa	taaaatcttg	240
aagtagatcc	aatatacat	ggtcagattg	aatacaataa	agatggcatc	gtagcagtgg	300
agaaaagaag	aattatttca	taaaccttgt	tggaatggct	aggcaatcat	ctggaaaaaa	360
atgaagttga	ataataaaaa	tatattctac	actagcacia	attataaata	aagcagtgat	420
ttaaatgaga	aaaattaaat	cataatgatt	tcaaagataa	cataggataa	tttctttata	480
gtcttctaaa	atatatgact	ttatgaattc	tgact			515

<210> 62
 <211> 611
 <212> DNA
 <213> Human

<400> 62						
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aataatccac	cagatacaag	tttgcacaa	cttctgtgaa	atattttttt	tcctttttgt	180
tgggcatttt	tatgggtctaa	atatagaatg	accaatgcct	ctagaacaaa	cttgacctgg	240
tcagtgttat	caagaagcag	actgtttctt	actttctttg	tatttcctta	cttattttaa	300
tttggttaaaa	ttgatataat	gatataataa	acttcttttg	ccagtgttgg	tggcacacgc	360
ctttaatccc	agcacttagg	aggcagaggc	aggggtggatt	tctgaatttg	agggcaggct	420
agtctacaga	gcaagttcca	ggtcagccaa	ggctatatat	agaaactctg	gcatgaaaaa	480
ccaaccaaac	caaaccaaac	caaaccagac	cagaccagac	cagaccagac	caaaccaaac	540
caaaccagac	taaaccaaac	caaaccagac	cagaccagac	cagaccagac	cagaccagac	600
cagaccaaac	t					611

<210> 63

SEQLST~1.TXT

<211> 291
<212> DNA
<213> Human

<400> 63
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taatgcgaat atacttcctc ttctttttgc atgggtcttg ccagcctctg caatactgat 120
gaacacatgc tgaagatcat ctaactcaat atggcgcata tttctatgtc ttgctgcccc 180
ggacatagga caacttcgtc gtcactagt tctaacatat taatgctggc gtaggtggag 240
aactactgca catatactct tactcggagg ctgaggcacg aggatcactt g 291

<210> 64
<211> 309
<212> DNA
<213> Human

<400> 64
gccagatgcc gtgtttcctc gatgaactct ttacatcatt ggctattcag tggagtgttt 60
cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca 120
tatatttcaa atgtcttgct aacagtgggt actttgctct atccttagct atacgtctcg 180
aggcacattg ttcctctatg ccccgctacg ctttgcccta gagctcggcg gtatctatat 240
cttaactgcc ctcttgatcc ttacgtgccg gagaagggtg aggagaaat tttgtcaaat 300
ctgattaga 309

<210> 65
<211> 278
<212> DNA
<213> Human

<400> 65
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tggataaag tggaatagac tcgaatggaa tggaatgcaa tggaatggac tcgaatggaa 120
agggatggaa tggactcgaa gggaatggaa tggaatggat tcgaatggaa aggaatggaa 180
tggactcaaa aggaatggaa tggaatggac tcaaatggaa tggactcgaa ttgaatgaaa 240
tgtaatggaa tagactcgaa tggaatggaa cgaaattt 278

<210> 66
<211> 142
<212> DNA
<213> Human

<400> 66
agttctcctt aggttaatta atggaatgca atcccaatga aaatgtcacc aaagttgttt 60
tttttttaac tgtaggaggt ttataataat gctcatatgg aaaaataaaa catgtaaaaa 120
atagctagta aactccccct gt 142

SEQLST~1.TXT

<210> 67
<211> 286
<212> DNA
<213> Human

<400> 67
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aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgtg 120
attattttcc caacaaattg gcattcatag atagaataag ctgactaaga ctacttagcc 180
ccacattttt ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc 240
caaagctcca tttccttgaa agcagaagtg taatattact tcttag 286

<210> 68
<211> 179
<212> DNA
<213> Human

<400> 68
atctactttt tattcttttg ataaatgttt atgaaatata aaatactgaa aattagaaag 60
tagaagtcac tattttatta taaaacatgt ggattagata ttttcattta tgtgattaaa 120
ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaaatt 179

<210> 69
<211> 390
<212> DNA
<213> Human

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<223> n is a, c, g, or t

<400> 69
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cttcagtcta agaacgtaaa tccatggaag aatttttaagc aggggtgtgc cttgaccaca 120
ttttgaattc taaactgtct ctgggtgggt gtgggtgccca ccaagagcat gtgttcatgt 180
aggagactg gttttttaca gttgtctatg agagagatga cagttgcctg gattatggtg 240
gtgacattgg agataagcag gtagacagat tctcagtgtg ttaggagaga aaaatcaata 300
ggaaatttaa aataaataat taactgtggc cataggagga aggagtcttt gggttngggt 360
ctcaatttct gcatgagaaa aaaggtggac 390

<210> 70
<211> 481
<212> DNA
<213> Human

SEQLIST~1.TXT

<220>
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 <222> (26)..(26)
 <223> n is a, c, g, or t

<400> 70
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 gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga 120
 tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaatga tgagatgatg 180
 agatgaatga tgaaatgaaa tgatgagatg agatgatgaa atgaaatggt gagatgaaat 240
 gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat 300
 gatgagatga tgaaattgat gaaatgatga gatgtgatga gatgaaatga tgagatgaga 360
 tgagatgaca tgaaataatg aaatgaaatt gaaatgagat aagatacgag ctgagatgca 420
 atgagatgaa atgatgagat gaaatgaaat agtgaaatga aattgaaata aaatcgaaat 480
 g 481

<210> 71
 <211> 125
 <212> DNA
 <213> Human

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

SEQLST~1.TXT

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 <223> n is a, c, g, or t

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 <222> (61)..(61)
 <223> n is a, c, g, or t

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 <222> (77)..(77)
 <223> n is a, c, g, or t

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 <222> (79)..(79)
 <223> n is a, c, g, or t

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 <222> (88)..(88)
 <223> n is a, c, g, or t

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 <222> (90)..(90)
 <223> n is a, c, g, or t

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 <221> misc_feature
 <222> (100)..(100)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (110)..(110)
 <223> n is a, c, g, or t

<400> 71
 cggtngcaat tggggggccnc atacgcgcng acgagtantg gncangctnc ttgactacac 60
 ngacgcgccg tacaggntna attatggnan cttacatggn aaaggggcan ctcaatgtcc 120
 cacag 125

<210> 72
 <211> 473
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (151)..(151)
 <223> n is a, c, g, or t

<400> 72
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 atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tgatgagatg 120
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SEQLST~1.TXT

aatgaatct gagatgaaat gagatgaaaa ntgatacgaa aatgatata aaaaatatga	180
cctgagatga aatgagatga aaaatgatac gaaaaatgat ataaaaaata tgacatgaaa	240
tgaaatgaga tgatatgaaa tgacataatg aatgatgaa ttgatgatat tgaaatgaaa	300
ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga	360
catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga	420
tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga	473

<210> 73
 <211> 500
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (233)..(233)
 <223> n is a, c, g, or t

<400> 73 aatgagnatg aaaagnatga aatgatgaga tgaaatgaaa tgatgagatg aatgaggtg	60
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gaaatgagat gaaataaaat aatgaaatga tgaaataatg aatgaaaaat gagatggaaa	180
tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga ganaaaatga	240
gatgaaatga tgagatgaga tgaaatatga tgagttgaaa tgacataatg aatgaaatga	300
tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga	360
aatgatgaaa tgatgagatg aatgatgaa atgaaataat gaaatgagat gaaataaaat	420
aatgaaatga tgaaataatg aatgaaaaat gaaatggaaa tgatgagatg agaagaaatg	480
atgagatgaa atgatgaaat	500

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 <211> 299
 <212> DNA
 <213> Human

<220>
 <221> misc_feature

SEQLIST~1.TXT

<222> (31)..(32)
<223> n is a, c, g, or t

<220>
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<222> (57)..(57)
<223> n is a, c, g, or t

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tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga 120
cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa 180
tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg 240
aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg 299

<210> 75
<211> 155
<212> DNA
<213> Human

<400> 75
agtgaaatga aattgaaata aaatcgaaat gagatgagat gaaatgatga gatgatgaaa 60
taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga 120
tgagatgaca tgaaataatg aaacgaaatt gaaat 155

<210> 76
<211> 367
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
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<222> (37)..(38)
<223> n is a, c, g, or t

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<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

SEQLST~1.TXT

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 <222> (75)..(75)
 <223> n is a, c, g, or t

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 ctacttnaga ngaantcctc gcaaaatcct tgaatcaccg cttcagtgca gtgatatcac 120
 cgccatgaaa tttctgctcg attagcttac gttgtttgga tagaggccaa acaaggctgt 180
 tatcggtacg aggaatggat gttcgatttc gtagaatacg cctgagagac ggcgaatact 240
 ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga 300
 aaatatgagg ggtggcaagg ttttgcctgt tacattctca aatggaagca aattagatat 360
 gtcattg 367

<210> 77
 <211> 257
 <212> DNA
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 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
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 <222> (11)..(11)
 <223> n is a, c, g, or t

<400> 77
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 ataatggatt ttattgttaa attgtgtgtg tgtgggtgtg atgccctgtc ttttctcctc 300
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gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg	180

SEQLST~1.TXT

aaatgagaag aaatgagatg aaatgatgaa atgatgagat gagatgaaaa atgatgggat	240
gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa	300
tgaattgata atattgaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa	360
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ntagggacct gctctataag cccatcataa ttattatga agttataaca agtaaacag	180
taaggtatatt ggcattggaat agagaaccca gaaacagacc caatgcatgg gtacaggata	240
taacacaggg aaatgagggg caatatatgg ttctgggata attatttata tggggaaaat	300

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aaagaaattg gatccctacc tcacacatac aaaaaaaatc ataattgaat taaaaacttg 360
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aacttcctca gaaggacaag agacaaagaa gtggggggagg ccctcctatc catagctgag 180
agggtttatt ctttgtggtt ctgctgtcag agcctttgga tgtctgatct gagatggagc 240
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taaaactttc tttgaacccc ctggcatagg ctgagtttcc ctgact 346

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<211> 100
<212> DNA
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<400> 85
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gcggaggagt cgatccgtct actcctatcc cgtcggctcg gatttactac aggagctaag 480
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<400> 88
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acagccaaac cgggtccgccc aaggcctccg tcgttttata atatattccg tttacgtata 180
aggaacgaac cccctttcat taccacgggtc ccgcgtccgc ctctttctcc attcgcaaca 240
gttctatttc tttcagcctc ccgtacctgc ttccagaaca tcgcaccgcc atagtcgaaa 300
gatagcaaag attaccagc ttctattcct cgccccagag ccgagtaaat cgaagtttat 360
agaggcggaa tccaaccatt caagagttat aacaagttat cggcactcgg gggatcagaa 420

SEQLIST~1.TXT

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aaaaaaaaagg ttaaancccc cccttttttt ttgggttggg gtgggaaaat tttgggaanc	240
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ggaccggttt ccattttaat gggatttggg aa	332

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naaannnggn nctngggggg ggaaantttt ggcccccccc cgggggnttt ncctnaaaaa	240
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canngtctnt gacgntgtga tgcatacgnt tgggcagagn gancaatang tgngcatatg	300
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atgagatgat gaaataaaat gatgaaatga gatgtgatga gatgaaatga ngagatgaaa	180
tgatgagatg agatgacatg aaataaatga aataatgaaa tcgaaatgag atgagaagat	240
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gaaaaaatga aatgaaataa tgaaatgagg tgaaattaaa tgagatgatg aaattaaatg	480
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tgagttgaac cctgngatga atgaagattg nntgaatggt ggntgaatgt tgaatggntg	780
gntggnanaa tgcctgtngg	800

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 gaaatgaaat gatgaaatga atagatgtga catgaaatga gctgaaatga tgagatcaaa 180
 tgaaatgaaa tgagattaaa tgatgagatg aaaactgatg aaaacttaaa tgatgaaata 240
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ctcaggggggt cttttgtttct ctacgcctaa aaacttaatc tgtttggaac aattcctttt	180

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ngaggaagac cc	132

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aaaaatagat aatggtaatc caagcacgat ggtagccatc actctaattg ctttgggggtt	180
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24

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